

PRE-EDIT

**\*RETURN TO FMF - LOCATION 7540**

QUERY CONTROL FORM		RTIS USE ONLY	
Application No.	<u>10 042 856</u>	Prepared by	<u>CT</u>
Examiner-GAU	<u>VAHORE, D.A. - 2881</u>	Date	<u>1-20-04</u>
		No. of queries	<u>1</u>

**JACKET**

- |                      |                        |                    |                |
|----------------------|------------------------|--------------------|----------------|
| a. Serial No.        | f. Foreign Priority    | k. Print Claim(s)  | p. PTO-1449    |
| b. Applicant(s)      | g. Disclaimer          | l. Print Fig.      | q. PTOL-85b    |
| c. Continuing Data   | h. Microfiche Appendix | m. Searched Column | r. Abstract    |
| d. PCT               | i. Title               | n. PTO-270/328     | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed      | o. PTO-892         | t. Other       |

- SPECIFICATION**
- a. Page Missing
  - b. Text Continuity
  - c. Holes through Data
  - d. Other Missing Text
  - e. Illegible Text
  - f. Duplicate Text
  - g. Brief Description
  - h. Sequence Listing
  - i. Appendix
  - j. Amendments
  - k. Other

**MESSAGE** DAmendment. Please provide a  
readable copy of amended claims (Amendm  
B), now approved claim set.

*Thnks.*

**CLAIMS**

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

*CT* initials

**RESPONSE**

*Provided.*

*BH* initials

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Post-It® Fax Note	7671	Date	# of pages ►
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Navy Case 83,026

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

Applicant: RAY BAGGETT ET AL.  
Serial No.: 10/042,856  
Filing Date: JANUARY 11, 2002  
For: MINIATURE HIGH INTENSITY LED  
ILLUMINATION SOURCE

Art Unit: 2881  
Examiner: DAVID A. VANORE

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION OF 27 AUGUST 2003Date: 9/30/03

Harvey A. Gilbert  
HARVEY A. GILBERT  
Attorney for Applicant  
Registration No. 27331

## CERTIFICATE OF TRANSMISSION (37 C.F.R.1.6(d) and (1.8))

I hereby certify that these papers, along with any paper referred to as being attached or enclosed, were mailed to the Commissioner for Patents, Mail Stop Non-Fee Amendments, Alexandria, VA 22313-1450 at the United States Patent & Trademark Office, on the date shown below:

By: 9/30/03

Harvey A. Gilbert  
Date:  
(Signature)

Navy Case No. 83026

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RAY BAGGETT ET AL. Examiner: DAVID A. VANORE

Serial No.: 10/042,856 Art Unit: 2881

Filed: January 11, 2002

For: MINIATURE HIGH INTENSITY LED ILLUMINATION SOURCE

AMENDMENT UNDER 37 C.F.R. 1.116Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

In response to the Office Action dated August 27, 2003,  
please amend the above-identified patent application as follows:

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Amendments to the Claims

1. (Cancelled).
- 2 (Currently amended): An apparatus according to claim 1 further comprising: for curing an adhesive with high-intensity radiation  
comprising:

a housing having an insulating cylindrical section and an insulating disc-shaped section defining an interior;  
an LED array in said interior of said housing to emit high-intensity radiation;  
a plurality of batteries in said interior of said housing adjacent said LED array to supply power to said LED array;  
an insulating spacer layer interposed between said LED array and said plurality of batteries to prevent shorting of said batteries;  
a switch relay in said interior of said housing connected to said LED array and said plurality of batteries;  
a disc-shaped cover transparent to said high-intensity radiation and being disposed adjacent said LED array, said cover being connected to said cylindrical-shaped section to seal said interior from ambient;  
a switching mechanism mounted on the outside of said housing, said switching mechanism being displaced on said housing to close said switch relay and connect said power to said LED array to emit said high-intensity radiation through said cover;  
a fuse connected between said switch relay and said LED

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array to prevent overload current; and  
a safety pin to engage said housing and said switching  
mechanism together to prevent displacement of said  
switching mechanism.

1    3. (Original): An apparatus according to claim 2 further  
2    comprising:  
3         a biasing spring connected to said housing and said  
4         switching mechanism to hold said switching mechanism  
5         in the off position.

1  
1    4. (Original): An apparatus according to claim 3 further  
2    comprising:  
3         a compliant shroud around said disc-shaped cover to  
4         prevent the transmission of said high-intensity  
5         radiation to the ambient.

1  
1    5. (Original): An apparatus according to claim 4 wherein said LED  
2    array emits radiation at 470nm.

1  
1    6. (Original): An apparatus according to claim 5 further  
2    comprising:  
3         an abrasive layer on said housing; and  
4         a blade section on said housing, said abrasive layer and  
5         said blade section being displaced to prepare a  
6         surface.

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1    7. (Original): An apparatus according to claim 6 wherein said switching  
2    mechanism has a magnet sized to slideably fit within a groove on  
3    said cylindrical-shaped section of said housing to be engaged by a  
4    gloved operator to permit its longitudinal displacement said groove.

1    8. (Original): An apparatus according to claim 7 wherein said housing  
2    is about four inches in diameter and two inches high to permit user-  
3    friendly tactile operation.

4

1    9. (Original): An apparatus according to claim 8 wherein said  
2    cover has a coating to provide a one-way capability for emitted  
3    radiation.

4

4    10. (Original): An apparatus according to claim 7 wherein said  
5    cover has a coating to provide for filtering.

6    11. (Cancelled).

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Remarks

2 This is a complete response to the Office Action of  
3 August 11, 2003.

4 Claims 1-11 were in this case prior to this amendment.

5 Claims 1 and 11 have been rejected. Claims 1 and 11 have been  
6 cancelled by this amendment.

7       Claims 2-10 are objected to as being dependent on rejected  
8       claim 1 but would be allowable if rewritten in independent form  
9       including all of the limitations of the base claim and any  
10      intervening claims. Claim 2 has been rewritten in independent  
11      form including all of the limitations of its base claim, claim 1  
12      so that claim 2 and its dependent claims 3-10 are allowable.

13           Claims 2-10 define a patentably significant advance in the  
14        state of the art in definite form and free of the art, and are  
15        allowable.

16 Accordingly, an early Notice of Allowance is earnestly  
17 solicited.

18

Respectfully submitted,  
19

20

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30 16 September 2003  
31

Navy Case No. 83026

Remarks

This is a complete response to the Office Action of  
August 11, 2003.

Claims 1-11 were in this case prior to this amendment.  
Claims 1 and 11 have been rejected. Claims 1 and 11 have been  
cancelled by this amendment.

Claims 2-10 are objected to as being dependent on rejected  
claim 1 but would be allowable if rewritten in independent form  
including all of the limitations of the base claim and any  
intervening claims. Claim 2 has been rewritten in independent  
form including all of the limitations of its base claim, claim 1  
so that claim 2 and its dependent claims 3-10 are allowable.

Claims 2-10 define a patentably significant advance in the  
state of the art in definite form and free of the art, and are  
allowable.

Accordingly, an early Notice of Allowance is earnestly  
solicited.

Respectfully submitted,

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